

Engineering

6x | Solidworks | mechanical | electrical

Sheet metal working

2x | Laser cutting 3000*1500 | stainless steel 30mm | steel 25mm | aluminium 20 mm | Trumpf

1x | Laser cutting 4000*2000 | stainless steel 30mm | steel 25mm | aluminium 20 mm | Trumpf

3x | Storage systems | sheets | 24/7 production | Stopa

Tube metal working

1x | Tube laser | 3D cutting head | Ø256mm | □ 180mm | stainless steel 6mm | Steel 8mm |

Aluminium 6mm | Trumpf

1x | Storage systems | tube | 24/7 production | Stopa

Sheet metal Bending

1x | 135 tonnes | 3000 mm | Easy-form measuring system | Toolcell | LVD

3x | 135 tonnes | 3000 mm | Easy-form measuring system | LVD

1x | 220 tonnes | 4000 mm | Easy-form measuring system | LVD

Deburring machines

1x | directionless finishing | grinding | stainless steel 30mm | Steel 25mm | Timesaver

1x | directionless finishing | grinding | stainless steel 30mm | aluminium 20 mm | Q-Fin SER1200

1x | deburring | rounding | stainless steel 30mm | aluminium 20 mm | Q-Fin F200

1x | deburring | rounding | mass production | circular vibrators | dryer | stainless steel | Walther Trowal

Sheet metal rolling

2x | 3-roller | 1290 mm | shells | cones | Stainless steel | steel | aluminium | Nosstec

1x | 4-roller | 2000 mm | shells | cones | Stainless steel | steel | aluminium | Faccin

3x | 3-roller | shells | cones | Stainless steel | steel | aluminium

Welding

12x | welding | stainless steel | Tig | Mig-Mag

4x | welding | steel | Tig | Mig-Mag

3x | welding | aluminium | Tig | Mig-Mag

1x | laser welding | stainless steel | steel | aluminium

Surface treatment

2x | electrolytic Beitsen | stainless steel |

1x | glass bead blasting | stainless steel | Cabin size (LxWxH) 10.000x5.000x4.000 mm

Machining

1x | milling | 4&5 axis | X-3000mm | Y-800mm | Z-750mm | 5-axis Ø800mm | Mazak VTC 800 | Hypermill

1x | milling | 3- axis | X-1700mm | Y-500mm | Z-600mm | Mazak VTC 200 | Hypermill

1x | milling | 5- axis | X-850mm | Y-550mm | Z-510mm | Mazak Variaxis J-600 5x | Hypermill | automated with Robot handling | renishaw measurement

1x | multitasking | Ø600 mm | 1500 mm | Mazak i400s | Hypermill

1x | multitasking | Ø600 mm | 1500 mm | Mazak i400s | Hypermill | automated with Robot handling

1x | multitasking | Ø650 mm | 2000 mm | Mazak i-450Hs | steady rest | Hypermill | renishaw measurement

1x | multitasking | Ø800 mm | 2500 mm | Mazak E500s | steady rest | Hypermill | renishaw measurement

1x | Keyseating machine | 50mm wide | 300mm long | through hole | Gierth

Measurement

1x height gauge | 972 mm | 2D | manual and semi- manual operated | Mitutoyo

1x various hand measuring devices | Mitutoyo

Mechatronic assembly

2x mechanical assembly | various hand and power tools | Beta | Metabo

2x electric assembly | electrical panel building | Solidworks electrical | Siemens

1x electric wire control | cut & strip machine | Schleuniger